Bull. Environ. Contam. Toxicol. (2003) 70:1271–1281
© 2003 Springer-Verlag New York Inc.
DOI: 10.1007/s00128-003-0120-3

Bulletin of Environmental Contamination and Toxicology

SUBJECT INDEX - VOLUME 70

Acetochlor
adsorption on organoclay 1104
Acid Blue
adsorption on furnace slag 1112
Air
Cd, Cr, Pb in air during incinerator demolition 1165
isocyanates in polyurethane foam 328
metals in candle smoke 182
ozone in Zagrab air, Croatia 343
POP in municipal waste smoke particles 174
quality in Lucknow City, India 166
VOC from steel industry, Brazil 957
Alachlor
effect on cyanobacteria 1052
Aluminum
from cooking utensils & yogurt containers 437
Ammonia
toxicity to snail 1006
Amphetamine
effect on soil enzymes 824
Arochlor 1254
lymphoproliferative response in rat 97
Arsenic
levels in dentists 629
organoarsenical cytogenetic effects on cells 300
Atrazine
acute effect on coral photosynthesis 541
earthworm weights 477
histological effects on Zebra mussel 688
Asbestos
near cement factory 1170
Azadirachtin
effect on intestinal aerobic bacteria 1205
toxicity to crayfish 131
Azo Dye
toxicity to aquatic organisms 753
Azoxystrobin
in wastewater, Germany 891

Beta-cyfluthrin
residues in cabbage & cauliflower 1136
residues in tomato 1143
Bioassay
bacteria for fish pesticide exposure 85
chlorophyll a as indicator for zinc stress 90
chlorophyll a for algae 606
Daphnia feeding for microcystin 861

ELISA for dioxins in human milk 636
limitation of cosolvents for hydrophobic compounds 1
metPLATE for metal mixtures 557
microalgae for linear alkylbenzene sulfonate toxicity 242
microplate cell cytotoxicity 1083
Neurospora crassa for mutagens 22
nuclear anomalies in fish for water mutagens 1071
plants for drinking water genotoxicity 847
soil sorption coefficients for aromatics 513
validity test for estrogenic activity 226
Vibrio harveyi for mutagenicity 1065
Brevetoxin
human exposure 161
Brodifacoum
Raptors, NY, USA 34
Bromate
in bread, Nigeria 443
Butyltin
in Beijing reservoir, P. R. China 219

Cadmium
accumulation & phytotoxicity 566
burrowing behavior & toxicity in bivalve 713
in sediments, Kenya 1220
intake in isopod 1028
response of Salicaceae 576
uptake & elimination in *Rana* 78
Carbaryl
accumulation in catfish organs 1013
protein metabolism of snail 146
Carbofuran
in fruit & vegetables, India 783
in water chestnut 789
toxicity to teleost 1259
Cerium
leaching in a soil column 46
Chitosan Diethyl Phosphate
toxicity to bacteria, *Daphnia* & trout 153
Chlorpyrifos
in model ecosystem 883
toxicity to *Oreochromis mossambicus* 985
Chromium
biochemical profile of carp 118
Chromium
effect on muscle biochemistry 106
effects in *Euglena gracilis* 1045
interaction with Fe on aquatic plant 696

Copper
effect on respiration, reproduction & biochemistry, water flea 112
intake in isopod 1028
metallothionein-like proteins as exposure marker 233
phytoremediation 462
release from tableware 905
Copper Sulfate
toxicity to copepod 1017
Cyanoacetic acid
QSAR to *Tetrahymena* 549
Cybil
hemotoxicity to rat 839
Cyclodextrin
solubilization of pesticides 998

DDT
lack of contamination in Passerines 769
Deltamethrin
acute toxicity to catfish 296
Dichlorobenzothiazole
in textile effluent 54
Dimethoate
protein metabolism of snail 146
toxicity to *Daphnia magna* 1264
toxicity to wild mice & five rodent species 138
Dimethylarsinic acid
cytogenetic effects 300
Dimethylformamide
in river water, Niigata, Japan 876
Dioxane
in river water, Niigata, Japan 876
Dioxin
excretion enhancement by dietary fiber 359
in dugongs, Thailand 198
method for human milk 1121
monthly blood levels in humans 660
polychlorinated dioxins in human milk, P. R. China 189
Diphenyl Diselenide
deposition in mouse liver, kidney & brain 470

Effluent
paper mill effect on feral winter flounder 401
sugar industry toxicity to fish 739
treatment of distillery effluent 268
Endosulfan
effect on hematology & serum biochemistry, carp 993
reproductive toxicity 285
toxicity to grass shrimp 533

Estrogen
validity test for screening assay 226
Ethoprophos
degradation in soil 520
Ethylene glycol
effect on Medaka development 600
in groundwater from deicing 868
Exposure
air quality in Lucknow City, India 166
Al from cooking 437
As & Hg in dentists 629
brevetoxin during algal bloom 161
bromate in bread, Nigeria 443
chlorpyrifos on turf grass, transfer coefficient 644
drinking water near Chernobyl accident 847
fruit wash residue reduction 213
human mancozeb exposure 336
metals in candle smoke 182
Mn as exposure tracer 415
model for fabric pesticide penetration 652
nitrogen oxides, Taiwan 430
organic contaminants street dust, P. R. China 422
phenolic variation in wild tomato accessions 9
soil metal bioaccessibility 927
validity text for estrogenic activity 226

Fenvalerate
effect on microorganism distribution 1059
hemotoxicity to rat 839
Fipronil
toxicity to crustaceans 746
toxicity to grass shrimp 533
Fluoride
removal from waste water, Egypt 262
Formaldehyde
interaction with humic substances 761
Fumonisin
and fungal species in corn, Mexico 668
Furan
dibenzofurans in human milk, P. R. China 189
in dudongs, Thailand 198

Genapol OX-80
toxicity to crayfish 131
Glyphosate
formulation toxicity to fish 731
malformed tadpoles 612

HCH
degradation in soil 775
effect on microorganism distribution 1059
Heavy Metal
alteration in muscle biochemistry 106
As, Cd, Cr, Cu, Pb, Zn in mine tailings, Korea 942
bioavailability from superfund site, Puerto Rico 927
bioavailability in soils, Shenyang, P. R. China 935
Cd & Zn toxicity to bivalve 713
Cd accumulation & phytotoxicity 566
Cd, Cr, Pb in air during incinerator demolition 1165
Cd, Cu, Ni, Zn mixture toxicity to sea urchin 592
Cd, Cu, Fe, Pb, Zn & metallothionein proteins 619
Cd uptake & elimination in *Rana* 78
Cr & biochemical profile of carp 118
Cu & biochemistry of water flea 112
Cr & Fe interaction on aquatic plant 696
Cu metallothionein-like proteins for exposure marker 233
Cu, Ni, Pb phytoremediation 462
Cu release from tableware 905
effects in *Euglena gracilis* 1045
Hg & respiratory surface changes in catfish 705
Hg & Se in tern eggs, Spain 71
Hg in water & sediment, gold mine 379
Hg prediction from choriallantoic membrane Hg 1242
in candle smoke 182
in feathers & blood, night herons, Chesapeake & Delaware Bays, USA 385
in hamster tissues from agricultural area, Germany 509
in human bones 1089
in linchens & mosses, Turkey 502
in oyster culture sediments, Mexico 1235
in private groundwater, Canada 447
in sea urchin from salmon farms, Canada 948
in sediment, India 372
in sediments, Bahia de Chetumal, Mexico 1228
in sediments, Kenya 1220
in soil, Shenyang, P. R. China 935
life stage accumulation dependence, otter 278
metals & elements in soybean on fly ash soil 817
new extraction method for macroalgae 809
Ni accumulation & depuration by crayfish 308
Pb & ascorbic acid protective role 1189
Pb in dentine & children, Canada 409
Pb in gasoline & goat blood lead 1178
Pb in sediments, Mexico 1213
Salicaceae response to Cd 576
toxicity & soil metal fractions 557

speciation in wetland sediments 800
trace metals in Marabou stork feathers 792
Zn effect on uptake in alfalfa plants 1036
Zn effects on catfish embryos & larvae 1022
Herbicide
adsorption of acetochlor on clay 1104
earthworm weights 477
effect on cyanobacteria 1052
glyphosate & malformed tadpoles 612
glyphosate formulation toxicity to fish 731
irgarol & atrazine effect on coral photosynthesis 541
QSAR of alkylthioureas to Tetrahymena pyriforimis 1251
Human
Al from cooking utensils 437
As & Hg in dentists 629
chlorpyrifos turf grass transfer coefficient 644
chromosomal aberrations in uranium miners 322
comparison of organochlorines in breast fat & serum 920
consumer risk, beta-cyfluthrin 1136
Cu release from tableware 905
dioxins & furans in human milk, P. R. China 189
drinking water near Chernobyl accident 847
elements in bones, disease 1089
ELISA for dioxins in milk 636
exposure to brevetoxin 161
fruit wash residue reduction 213
lead in dentine & children, Canada 409
mancozeb exposure 336
method for dioxin in milk 1121
microplate mammalian cytotoxicity assay 1083
model for fabric pesticide penetration 652
monthly blood dioxin levels 660
nitrogen oxide levels in taxi drivers & residents, Taiwan 430
organic contaminants in street dust, P. R. China 422
organochlorine pesticides in milk, P. R. China 193
PAHs adjacent to highways, Beijing, P. R. China 972
PCBs & organochlorines in milk, Czech Republic 913
PCBs in milk, Taiwan 1097
PCBs in milk, Turkey 41
radiotherapy effects on plasma toxicants 17
VOCs from steel industry, Brazil 957

Imidacloprid
residue in tomato 1143
Iprodione
persistence in mustard 586
Iron
interaction with Cr on aquatic plant 696

Isocyanates
in polyurethane foams 328

Lanthanum
leaching in a soil column 46
Lead
ascorbic acid protective role in mice 1189
Cd, Cu, Pb, Zn in sediments, Kenya 1220
in dentine & children, Canada 409
in gasoline & goat blood 1178
phytoremediation 462

Malathion
toxicity to crayfish 131
Mancozeb
human exposure 336
Manganese
use as exposure tracer 415
Mercury
in sediments, Mexico 1213
in tern eggs, Spain 71
in water & sediment from gold mine 379
levels in dentists 629
life stage accumulation dependence, otter 278
prediction from Hg in chorioallantoic membrane 1242
respiratory surface changes in catfish 705
Metallothionein Proteins
natural occurrence in fish 619
Metamitron
in wastewater, Germany 891
Metasystox
accumulation in catfish organs 1013
Methyl Parathion
w/cyclodextrin, toxicity to *Rana tigrina* 998
Methytin
in Beijing reservoir, P. R. China 219
Metolachlor
earthworm weights 477
Microcystin
Daphnia feeding bioassay for toxicity 861
Molinate
toxicity to aquatic organisms 723
Monocyclic aromatic hydrocarbons
effect on freshwater invertebrates 124
Mutagen
nuclear anomalies in fish as indicator 1071
pesticides in *Neurospora crassa* 22
Vibrio harveyi for bioassay 1065

Mycotoxin
fumonisins & fungi in corn, Mexico 668

Neodymium
leaching in a soil column 46
Nickel
accumulation & depuration by crayfish 308
phytoremediation 462
Nitrate
in aquifer, Texas, USA 674
in private groundwater, Canada 447
toxicity to snail 1006
Nitric Oxide
in taxi drivers & residents, Taiwan 430
Nonylphenol
biodegradation in water & sludge 527
degradation in sludge & solid waste 248
effect on apoptosis 898
in Delaware River estuary, USA 978
sexual maturation in *Daphnia magna* 315

Oil
PAH biliary elimination in bass 394
photodegradation in water 1128
tar on beaches, UAE 680
Organochlorine
comparison of human breast fat & blood serum 920
HCH degradation in soil 775
in aquatic ecosystem, Eqypt 1158
in edible fish, Brazil 1151
in human milk, Czech Republic 913
in human milk, P. R. China 193
in water & fish, Himalayan region 485
in water Guanting Reservoir, P. R. China 351
lack of contamination in Passerines 769
Organophosphorus
in fruit & vegetables, India 783
OP remediation by engineered enzyme 455
phosphoramidate disposition in rat tissues 1197
Osseous
elements in human tissue 1089
Oxitetracycline
effect on aquatic plant 290
Ozone
in Zagreb air, Croatia 343

PAH
adjacent to highways, Beijing, P. R. China 972

biliary elimination in bass 394
from wetland sediment, India 964
in fish, Arabian Gulf 205

Pan Masala
effect on mouse sperm morphology 1184
PCB
in dudongs, Thailand 198
in edible fish, Brazil 1151
in human milk, Czech Republic 913
in human milk, Taiwan 1097
in human milk, Turkey 41
in Mexican soils 63
lymphoproliferative response in rat 97
PCP
toxicity to copepod 1017
Phenol
foliar phenol content in tomato 9
QSAR for *Vibrio fischeri* 832
Phthalate
yeast degradation of phthalic acid esters 255
POP
in smoke particles from municipal waste 174
Potassium Chromate
toxicity to copepod 1017
Praseodymium
leaching in a soil column 46
Propylene glycol
effect on Medaka development 600
Propylene glycol
in groundwater & soil from deicing 868

QSAR
alkylthioureas to *Tetrahymena pyriformis* 1251
cyanoacetic acid to *Tetrahymena* 549
for aromatic compounds to *Vibrio fischeri* 832

Radionuclide
in lichens & mosses, Turkey 502
Radiotherapy
effect on plasma toxicants 17
Remediation
adsorption of acid blue on slag 1112
Alcaligens spp for pyrethroids, OPs 367
elements in soybean on fly ash soil 817
OP pollutants by engineered enzyme 455
PCBs in Mexican soils 63
phthalic acid ester degradation by yeast 255

removal of Zn and F from wastewater, Egypt 262
sorption of aromatics onto clay 513
treatment of distillery effluent 268
Rodenticides
raptors, NY, USA 34

Sediment
heavy metals, India 372
toxicity Florida, USA ecosystems 494
Selenium
in tern eggs, Spain 71
Sodium Chloride
Ceriodaphnia dubia sensitivity 1247
Sulfachlorpuridazine
effect on aquatic plant 290
Sumithion
biodisposition in rat 1197

Toxic Unit Concept
pesticides in wastewater 891
Trichlorfon
toxicity to crayfish 131
2,4-D
effect on cyanobacteria 1052

Uranium
chromosomal aberrations in miners, India 322

Warfarin
raptors, NY, USA 34
Water
atrazine histological effects on Zebra mussel 688
carbofuran toxicity to teleost 1259
Cd, Cu, Ni, Zn mixture toxicity to sea urchin 592
chitosan diethyl phosphate toxicity to fish 153
chlorophyll a for algae 606
chlorpyrifos in model ecosystem 893
dichlorobenzothiazole in textile effluent 54
dioxane & dimethylformamide in river water 876
DMSO toxicity to *Daphnia magna* 1264
fiponil toxicity to crustaceans 746
fish nuclear anomalies for mutagens 1071
genotoxicity of Tunisian littoral sites 854
glyphosate & malformed tadpoles 612
glyphosate formulation toxicity to fish 731
heavy metal speciation in wetland sediment 800
heavy metals in urchins from salmon farms, Canada 948
metals in oyster culture sediments, Mexico 1235

metals in sediments, Mexico 1228
methyltins & butyltin in reservoir, P. R. China 219
microalgae for linear alkylbenzene sulfonate toxicity 242
molinate toxicity to aquatic organisms 723
monocyclic aromatic hydrocarbons & invertebrates 124
NaCl sensitivity of *Ceriodaphnia dubia* 1247
new metal extraction method for macroalgae 809
nitrate in Texas, USA aquifer 674
nonylphenol degradation in sludge & solid waste 248
nonylphenol degradation in water & sludge 527
nonylphenol in Delaware River estuary, USA 978
organochlorines in aquatic ecosystem, Egypt 1158
organochlorines in water & fish, Himalayan region 485
organochlorine pesticides, Guanting Reservoir, P. R. China 351
PAHs in fish, Arabian Gulf 205
PAHs in wetland sediment, India 964
Pb in sediments, Mexico 1213
pesticides in wastewater, Germany 891
photodegradation of diesel oil 1128
pulp & paper mill effluent effects on flounder 401
quality of private groundwater, Canada 447
sediment toxicity Florida, USA ecosystems 494
sugar industry toxicity to fish 739
tar on beaches, UAE 680
toxicity of azo dye to aquatic organisms 753

Zinc
burrowing behavior & toxicity in bivalve 713
chlorophyll a as stress indicator 90
effect on catfish embryos & larvae 1022
effect on metal uptake in alfalfa plants 1036
intake in isopod 1028
removal from wastewater, Egypt 262